

July 9, 2015

Mr. Zaw Thein  
Assistant Engineer  
Bureau of Environmental Quality  
Westchester County Department of Health  
25 Moore Ave, 1<sup>st</sup> Floor  
Mt. Kisco, NY 10549



RE: Lead & Copper Rule Compliance Report – 2015 (Jan - Jun)  
Village of Tarrytown, NY

Dear Mr. Thein:

Attached please find following documents for the six monthly lead and copper sampling monitoring from January 2015 to June 2015 by the Village of Tarrytown in accordance with the New York State sanitary code subpart 5-1:

1. Lead and Copper Rule Monitoring Report
2. 90<sup>th</sup> Percentile Tables for Lead and Copper
3. Lead and Copper Laboratory Test Results for the site locations
4. Water Quality Parameters (WQP) lab results

Please be advised that the Village have made efforts to obtain the required sixty (60) sample bottles. Based on the results received, the Village meets the 90<sup>th</sup> percentile compliance action limits of 15 µg/L for Lead and 1,300 µg/L for Copper (90<sup>th</sup> percentile results for lead (6.34µg/L) and copper (147µg/L).

Should you have any questions, or require additional information, please do not hesitate to contact us.

Very truly yours,  
Village of Tarrytown

Steve Cowles  
Chief Operator

Enclosure

cc: Michael J. McGarvey, P.E. (w/ attachments)  
Howard Wessells, Superintendent, DPW  
Arshad Jalil, P.E., BCEE, Principal, Professional Consulting, LLC. (w/ attachments)

**2014 LEAD AND COPPER RULE MONITORING REPORT****Monitoring Period (Jan, 2015 to June, 2015)**

System's Name: Village of Tarrytown Type: ☒ CWS ☐ NTNCWS  
Shaft #10 P.S.  
Dept. of Public Works

Address:



Size: ☐ >100,000  
☐ 50,001 to 100,000  
☒ 10,001 to 50,000  
☐ 3,301 to 10,000  
☐ 501 to 3,300  
☐ 101 to 500  
☐ ≤100

Telephone #: 914-631-0456  
Fax #: 914-631-2258

Federal ID#: 00003461Contact Person: Steve Cowles, Chief Operator, Type IB

THE RESULTS OF LEAD AND COPPER TAP WATER SAMPLES MUST BE  
ATTACHED TO THIS DOCUMENT

# of Samples required: 60 # of Samples submitted: 6190<sup>th</sup> Percentile Level: Lead 6.34 µg/l Copper 147 µg/l

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**TARGETING CRITERIA**

# of single family structures with copper pipes  
and lead solder installed after 1982 or lead pipes  
and/or lead service lines (Tier 1) 48

# of multi-family structures with copper pipes  
with lead solder installed after 1982 or lead pipes  
and/or lead service lines (Tier 1)  
(Only applicable if multi-family structures comprise more  
than 20% of the structures served by the water system) N/A

# of buildings containing copper pipes  
with lead solder installed after 1982 or lead pipes  
and/or lead service lines (Tier 2) X

# of sites that contain copper pipes and lead solder  
installed before 1983 (Tier 3) 12

Total: 60

Explanation of Tier 2 and/or Tier 3 sites are used  
(attach additional pages if necessary)

Tier #2 and Tier #3 sites were used in order to maintain testing 60 sample sites

LEAD SERVICES LINE SITES

# of samples required to be drawn from lead service line sites N/A

# of samples actually drawn from lead service line sites N/A

Difference (explain differences other than zero)

Method used to identify lead service line sites  
(attach additional pages if necessary)

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All recourses were found through water applications records from the village

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THE RESULTS OF WATER QUALITY PARAMETER (WQP) SAMPLES MUST BE  
ATTACHED TO THIS DOCUMENT

# of samples required to be collected N/A

# of WQP entry point samples required to be collected 10

# of WQP tap samples actually collected and submitted N/A

# of WQP entry point samples actually collected and submitted 10

  
Signature

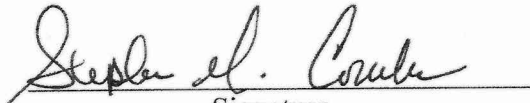
Chief Operator Type 1B  
Title

7-9-15  
Date

## CERTIFICATION OF COLLECTION METHODS

I certify that:

- Each first draw tap sample for lead and copper is one liter in volume and has stood motionless in the plumbing system of each sampling site for at least six hours.
- Each first draw sample collected from a single-family residence has been collected from the cold water kitchen tap or bathroom sink tap.
- Each first draw sample collected from a non-residential building has been collected at an interior tap from which water is typically drawn for consumption.
- Each first draw sample collected during an annual or tri-annual monitoring period has been collected in the months of June, July, August or September.
- Each resident who volunteered to collect tap water samples from his/her home has been properly instructed by (insert water system's name) **Tarrytown Water Department** in the proper methods for collecting lead and copper samples. I do not challenge the accuracy of these sampling results. Enclosed is a copy of the material distributed to residents explaining the proper collection methods, and a list of the results. Sampling was performed by the owners of house/buildings used in the reports.

  
Signature

Stephen G. Cowles  
Name

WTP Chief Operator 1B  
Title

7.9.15  
Date

CHANGE OF SAMPLING SITES  
From Jan-2015 to Jun-2015 Monitoring Period

Distance between sites (approximately): 1 Mile

Targeting Criteria: New:                      Old: X

Reason for change (attach additional pages if necessary):

Signature Stephen G. Cowles

Stephen G. Cowles  
Name

WTP Chief Operator 1B  
Title

7-9-15  
Date



# Exemption 6

First Draw Sample Percentile Results 2015 (Jan-Jun) -Tarrytown- NY									
Sample #	Lead		Sample Date	Lead (µg/L)	Sample #	Copper		Sample Date	Copper (µg/L)
	Location					Location			
1			6/26/2015	<1.00	1			5/27/2015	<10.0
2			6/16/2015	<1.00	2			6/26/2015	<10.0
3			5/27/2015	<1.00	3			6/16/2015	<10.0
4			5/28/2015	<1.00	4			5/28/2015	<10.0
5			5/13/2015	<1.00	5			5/13/2015	<10.0
6			5/13/2015	<1.00	6			5/13/2015	<10.0
7			5/12/2015	<1.00	7			5/12/2015	10.8
8			5/12/2015	<1.00	8			5/13/2015	12.6
9			5/12/2015	<1.00	9			5/12/2015	16.3
10			5/13/2015	<1.00	10			5/12/2015	18.2
11			5/13/2015	<1.00	11			5/13/2015	19.9
12			5/12/2015	<1.00	12			5/13/2015	22.7
13			5/13/2015	<1.00	13			5/13/2015	23.1
14			5/13/2015	<1.00	14			5/12/2015	25.8
15			5/13/2015	<1.00	15			5/13/2015	33.9
16			5/27/2015	<1.00	16			5/13/2015	36.5
17			5/27/2015	<1.00	17			5/13/2015	37.3
18			5/11/2015	<1.00	18			5/12/2015	37.4
19			5/27/2015	<1.00	19			5/27/2015	41.3
20			5/12/2015	<1.00	20			5/27/2015	44.8
21			5/19/2015	<1.00	21			5/12/2015	45
22			6/11/2015	<1.00	22			5/11/2015	46.4
23			5/27/2015	<1.00	23			5/12/2015	53.6
24			5/28/2015	<1.00	24			5/13/2015	54
25			5/12/2015	<1.00	25			5/27/2015	64.5
26			5/12/2015	<1.00	26			5/12/2015	65.4
27			5/13/2015	<1.00	27			6/6/2015	65.7
28			5/12/2015	<1.00	28			5/19/2015	70.7
29			5/13/2015	<1.00	29			5/10/2015	75
30			5/12/2015	<1.00	30			5/14/2015	78.2
31			5/27/2015	<1.00	31			5/12/2015	79.3
32			5/28/2015	<1.00	32			5/11/2015	83.9
33			5/12/2015	<1.00	33			5/11/2015	85.2
34			5/27/2015	<1.00	34			5/13/2015	86
35			6/8/2015	<1.00	35			5/28/2015	89.3
36			5/28/2015	<1.00	36			5/27/2015	90.2
37			5/13/2015	1.01	37			5/12/2015	90.9
38			5/12/2015	1.02	38			5/13/2015	93
39			5/12/2015	1.04	39			5/28/2015	95.1
40			5/13/2015	1.09	40			5/12/2015	96.4
41			5/13/2015	1.14	41			5/12/2015	97.1
42			5/27/2015	1.17	42			5/13/2015	101
43			5/12/2015	1.25	43			5/12/2015	105
44			5/12/2015	1.55	44			5/13/2015	109
45			5/20/2015	1.67	45			5/13/2015	115
46			5/13/2015	1.7	46			5/12/2015	117
47			5/13/2015	1.82	47			5/12/2015	118
48			5/13/2015	1.96	48			5/12/2015	118
49			5/13/2015	2.74	49			5/27/2015	124
50			5/15/2015	3.01	50			5/28/2015	132
51			5/13/2015	3.09	51			5/13/2015	134
52			5/11/2015	3.1	52			5/27/2015	135
53			5/11/2015	3.34	53			5/12/2015	146
54			5/12/2015	4.7	54			5/12/2015	146
55			5/13/2015	6.34	55			5/13/2015	147
56			5/12/2015	6.74	56			5/20/2015	155
57			5/12/2015	18.2	57			5/15/2015	156
58			5/14/2015	22.1	58			5/27/2015	160
59			5/12/2015	41	59			5/12/2015	172
60			5/10/2015	47	60			5/13/2015	214
61			5/12/2015	54.6	61			5/11/2015	314

90th Percentile

Regulatory Action Limit - Lead	15 µg/L
90th Percentile	6.34 µg/L
Regulatory Action Limits - Copper	1,300 µg/L
90th Percentile	147µg/L